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CLAIMS

1. In the fabrication of integrated circuit (IC) structures, a method for forming a structure resistant to ozone stripping, the method comprising:

forming a first electrically conducting layer;

forming an ozone resistant barrier overlying the first electrically conducting layer; and,

forming a metal layer overlying the ozone resistive barrier.

2. The method of claim I wherein forming a first electrically conducting layer includes forming a conducting layer from indium tin oxide (ITO).

3. The method of claim 1 wherein forming an ozone resistant barrier overlying the first electrically conducting layer includes forming an ozone resistant barrier from a material selected from the group including Ta, Ti, TaN, TiN, Al, Al compounds, tungsten, chrome, and copper.

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- 4. The method of claim 1 wherein forming a metal layer overlying the ozone resistant barrier includes forming a reflective metal layer from Al.
- 5. The method of claim 4 wherein forming a metal layer overlying the ozone resistant barrier includes forming a layer of Al having a thickness of greater than 1000 Å.

The method of claim 1 in which a reflective liquid 6. crystal display (LCD) IC structure is formed;

wherein forming a firsf electrically conducting layer

includes forming an electrode; and, 5

wherein forming a metal layer overlying the ozone resistant barrier includes forming an LCD reflector.

7. The method of claim 1 in which a busline IC structure is formed; and, 10

wherein forming a metal layer overlying the ozone resistant barrier includes forming the top metal layer of a busline.

In the fabrication of liquid crystal displays (LCDs) 8. integrated circuits (ICs), a method for forming a LCD structure 15 resistant to ozone stripping, the method comprising:

forming an indium tin oxide (ITO) layer electrode; forming an ozone resistant barrier overlying the electrode from a material selected from the group including Ti, Ta, TiN, and

20 TaN; and.

barrier.

forming an Al reflector overlying the ozone resistant

9. A method for stripping a liquid crystal display (LCD)

surface, the method comprising: 25

forming a first electrically conducting layer;

forming an ozone resistive barrier overlying the first electrically conducting layer;

forming a metal layer overlying the ozone resistive barrier; forming a photoresist pattern with openings exposing overlying areas of the metal layer.

through the openings in the photoresist, etching the exposed metal layer and underlying ozone resistant barrier; and, stripping the photoresist with an ozone compound.

10. The method of claim 9 wherein forming a first electrically conducting layer includes forming a conducting layer from indium tin oxide (ITO).

11. The method of claim 9 wherein forming an ozone resistant barrier overlying the first electrically conducting layer includes forming an ozone resistant barrier from a material selected from the group including Ta, Ti, TaN, TiN, Al, Al compounds, tungsten, chrome, and copper.

12. The method of claim 9 wherein forming a metal layer overlying the ozone resistant barrier includes forming a reflective metal layer from Al.

13. The method of claim 12 wherein forming a metal
25 layer overlying the ozone resistant barrier includes forming a layer of
Al having a thickness of greater than 1000 Å.

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14. The method of claim 13 in which a reflective LCD structure is being stripped;

wherein forming a first electrically conducting layer

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wherein forming an ozone resistant barrier overlying the first electrically conducting layer includes forming an ozone resistant barrier from a material selected from the group including Ta, Ti, TaN, and TiN;

wherein forming a metal layer overlying the ozone resistant barrier includes forming an Al layer; and,

the method further comprising:

following the ozone stripping, leaving an LCD reflector structure.

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15. The method of claim 14 wherein stripping the photoresist with an ozone compound includes stripping with a compound having 85 parts per million (PPM) of ozone, or greater.

- 16. The method of claim 14 wherein stripping the photoresist with an ozone compound includes exposing the IC to the ozone compound for approximately 45 minutes.
 - 17. The method of claim 14 wherein forming a metal
- layer overlying the ozone resistant barrier includes forming an Al layer having a thickness of greater than 1000 Å; and,

wherein stripping the photoresist with an ozone compound includes removing approximately 800 Å of Al exposed by the openings in the photoresist.

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18. A liquid crystal display (LCD) reflector structure resistant to ozone stripping, the reflector structure comprising:

a first electrically conducting layer;

an ozone resistive barrier overlying the first electrically

conducting layer; and,

a metal layer overlying the ozone resistive barrier.

19. The reflector structure of claim 18 wherein the first

electrical conducting layer is indiam tin oxide (ITO).

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20. The reflector structure of claim 18 wherein the ozone resistant barrier is a material selected from the group including Ti, Ta, TiN, TaN, Al, Al compounds, tungsten, chrome, and copper.

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21. The reflector structure of claim 18 wherein the metal layer is a reflective metal layer material selected from the group including Al.

22. A liquid crystal display (LCD) reflector structure resistant to ozone stripping, the reflector structure comprising:

a first electrically conducting layer of indium tin oxide (ITO);

an ozone resistive barrier overlying the first electrically conducting layer selected from the group including Ti, Ta, TiN, TaN, Al, Al compounds, tungsten, chrome, and copper; and,

an Al reflective metal layer overlying the ozone resistive

5 barrier.

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23. A liquid crystal display (LCD) reflector structure resistant to ozone stripping, the reflector structure comprising:

a first electrically conducting layer selected from the

group including Ti, Ta, and Al and,

a reflective metal layer overlying the first electrically conducting layer selected from the group including Al.

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24. In the abrication of integrated circuit (IC)

structures, a method for forming a structure resistant to ozone stripping, the method comprising:

forming a first electrically conducting layer; and,

forming a metal layer overlying the electrically conducting

layer.

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25. The method of claim 24 wherein forming a first electrically conducting layer includes forming a conducting layer from a material selected from the group including Ti, Ta, and Al.

The method of claim 24 wherein forming a metal 26. layer overlying the first electrically conflucting layer includes forming a reflective metal layer from Al.

27. The method of claim 26 wherein forming a metal layer overlying the first electrically conducting layer includes forming a layer of Al having a thickness of greater than 1000 Å.

The method of claim 24 in which a reflective liquid 28. crystal display (LCD) IC structure is formed;

wherein forming a first electrically conducting layer includes forming an electrode; /and,

wherein forming a metal layer overlying the first electrically conducting layer includes forming an LCD reflector.

The method of claim 24 in which a busline IC 29. structure is formed; and,

wherein forming a metal layer overlying the first electrically conducting layer includes forming the top metal layer of a busline.

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